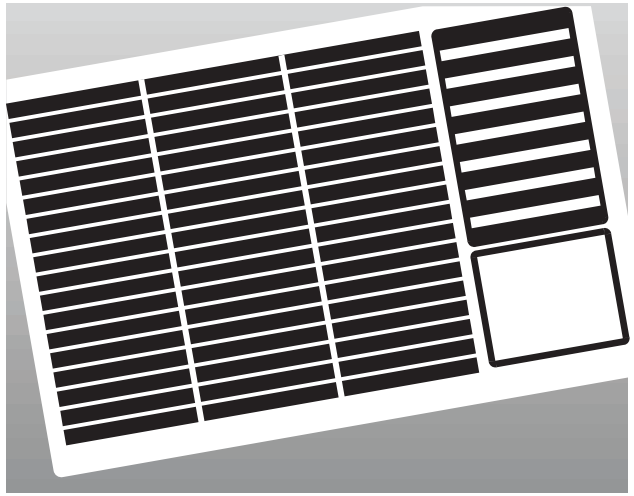
SAMSUNG

OWNER'S INSTRUCTIONS

AWT12G1DDB

SAMSUNG ELECTRONICS

Window-type Room Air Conditioner
(Cool)



Ⓔ DB98-21208A(2)

Safety Precautions

The following safety precautions must be taken when installing and using your air conditioner.

1 *The air conditioner must be plugged into its own specific power source, which must be installed in compliance with national wiring, earthing and safety regulations.*

Depending on national regulations and your specific installation, you may need to install:

- *A circuit breaker*

For further information on electrical requirements, contact a professional electrician.

This device must be installed according to the national electrical rules.

2 *Make sure that the unit is correctly ventilated at all times; do NOT place clothing or other materials over it.*

3 *NEVER spill liquid of any kind into the unit. Should this happen, unplug the unit and contact your installation specialist.*

4 *Do NOT insert anything between the air outlet blades, as the inner fan may be damaged and you may be hurt. Keep children away from the unit.*

5 *ALWAYS ensure that the power cable is in good condition. Make sure that it is not walked on or damaged by items placed on or against it.*

If the power cord is damaged in any way, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

6 *Do NOT attempt to repair the unit yourself. If it is damaged in any way, contact:*

- *An approved service center*
- *The outlet at which the air conditioner was purchased*

7 *Do NOT place any obstacles in front of the unit.*

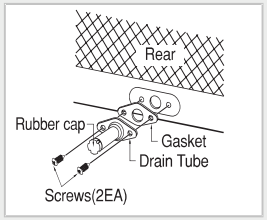
8 *The appliance is not intended for use by young children or infirm person without supervision; young children should be supervised to ensure that they do not play with the appliance.*

CAUTION

The manufacturer do not take the responsibility of the accident happened because the air conditioner is not fixed firmly or installed securely, during installing or using the product. In case you have difficulty in installation, you must ask for an installation specialist help. The accident will be happened in case of installing improperly.

Installation of the Drain Tube

Fix the drain tube as shown in the figure.



Installation of the Drain Pan

The procedure for installing the drain pan should be determined by the condition of the installing area.

- **In the case of an area where the drain pan can not be directly installed on the rear side of the unit after installing the air conditioner.**

Example: High storage

1 Open the front grille ; refer to page 9 or 10.

2 **Remove the screw located at the lower section of the front grill. It is secured in the ⬭ section depending on the model.**

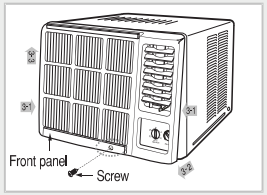
3 Remove the front panel.

3-1 Press both sides of the cabinet in the direction of the arrow as shown in the figure.

3-2 Pull the lower part of the front panel slightly forward. (below three inches)

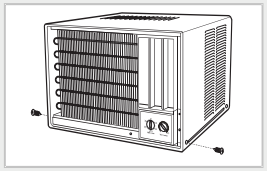
3-3 Lift the front panel upward.

☛ Applying excessive force to remove the front panel may cause damage to the tab ; be sure not to use excessive force.



4 Remove two screws on the lower, right and left sides of the unit.

5 Remove the chassis from the cabinet.

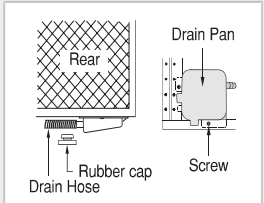


6 Remove the rubber cap inserted into the basepan.

7 Fix the drain pan as shown in the figure, and then connect the drain hose. (You can use any commercially-available drain hose.)

8 Install the cabinet at the specified area after installing the drain pan, and then re-assemble it in the original condition.

➢ Secure the front panel to the case by replacing the screw removed in step 2. If a screw not removed in step 2, secure the panel with a supplied screw.



Bottom-Side View with Drain Pan and Hose in Place

- **In the case of an area where the drain pan can be directly installed on the rear side of the unit after installing the air conditioner.**

1 Follow steps 6 and 7 only

Installation

Before installation, be sure to check the installation area for the air conditioner, and drain hose.

Checkpoints prior to installation

1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.

2 Be sure to check the power supply.
- Refer to the specifications on the label attached to the unit.

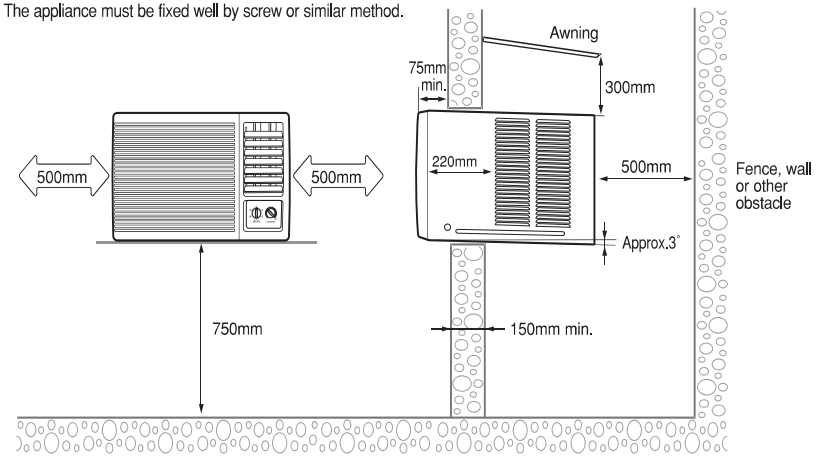
Installation Conditions

1 As the unit is heavy, the wall or window of the installation area should have sufficient strength and durability for operation of the air conditioner, and for prevention of any vibration or noise.
If it is weak, reinforcement work should be performed separately.

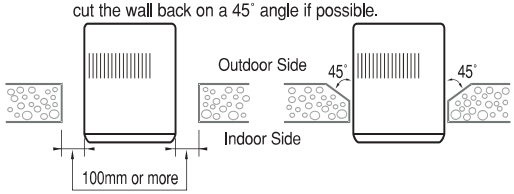
2 It is advisable to install the air conditioner in the north or west side to prevent the effect of direct sunlight.
When installing it in the south or east side due to unavoidable circumstances, it is advisable to install the sunshade to prevent the direct sunlight.
In this case, take care not to cause any hindrance to the flow of outside air.

3 When installing the air conditioner, be sure to obtain sufficient space on the rear side of the unit for smooth flow of air.
When operating the air conditioner in closed areas such as inner building with cooling operation, and result in trouble with the unit.
See the illustration below.

◆ The appliance must be fixed well by screw or similar method.



➢ ◆ If the wall is greater than 150mm thick, cut the wall back on a 45˚ angle if possible.



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The illustrations in the step-by-step procedures use four different symbols:

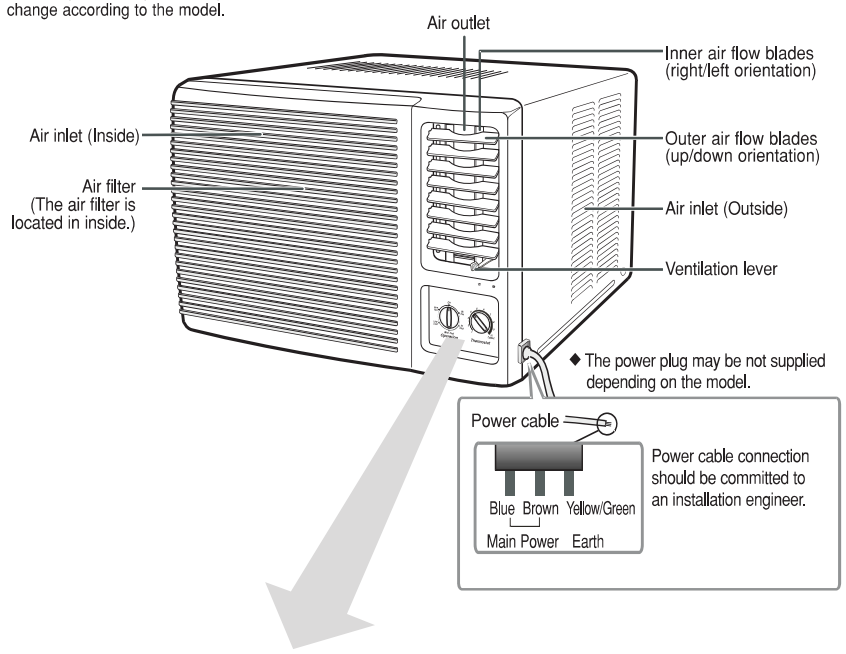
PRESS	PUSH	IMPORTANT	NOTE

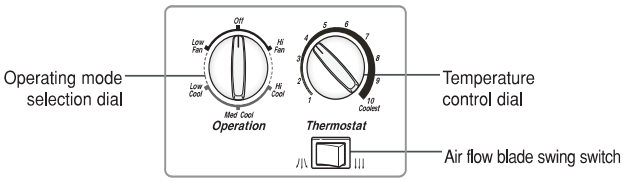
CAUTION

" The high inrush current of the starting compressor motor can have adverse effects to the operation of other equipment under unfavorable mains conditions. This equipment does not comply with the relevant technical standards for the limitation of voltage fluctuations and flicker."
Before connecting this equipment to the power supply system, please report to your supply authority and obtain the consent.
Do not connect other electric appliances to the same supply lines.

Air Conditioning Unit - Main Parts and Control Panel

❊ The design and shape are subject to change according to the model.


Air outlet
Inner air flow blades (right/left orientation)
Air inlet (Inside)
Outer air flow blades (up/down orientation)
Air filter (The air filter is located in inside.)
Air inlet (Outside)
Ventilation lever
◆ The power plug may be not supplied depending on the model.
Power cable
Power cable connection should be committed to an installation engineer.
Blue Brown Yellow/Green
Main Power Earth



Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

PROBLEM	EXPLANATION / SOLUTION
The air conditioner does not operate at all	◆ Check that the circuit breaker used for the air conditioner has not been triggered. ◆ Check that the power cable is plugged into a wall socket and the socket is switched on, if necessary. ◆ Check that the correct operating mode has been selected (cooling or airing).
The air conditioner does not cool	◆ Check that the correct operating mode has been selected. ◆ The room temperature may be too low. ◆ Dust may be blocking the air filter; refer to page 9 or 10 for cleaning instructions. ◆ Check that there is no obstacle blocking the air flow into or out of the unit.
The air flow direction does not change when you set the air flow blade swing switch to the position	◆ Check that the air conditioner has been switched on; if necessary, turn the operating mode selection dial ; refer to page 7.
Odours are permeated in the room during air conditioning	◆ Air the room.

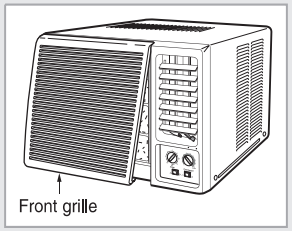
Technical Specifications

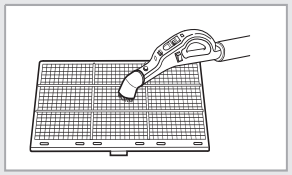
Design and specifications are subject to change without notice.

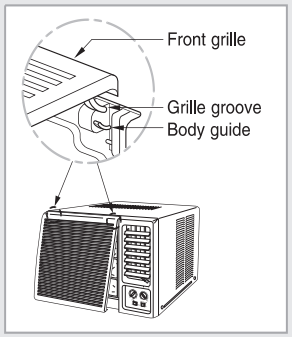
Model	Power Supply	Current	Power	Net Dim.(mm)
AWT12F1DDA AWT12F1DDB AWT12G1DDA	200-220V~, 50Hz	6.2A	1290W	W600 xH394 xD595

Note : All specifications are as per rated condition, i.e. Indoor temp. : 27°C and outdoor temp: 35°C. Current and power vary as the outdoor temperature vary.

Cleaning Your Air Conditioner (For AWT12G1DD* Models)







To get the best possible use out of your air conditioner, you must clean it regularly by two weeks to remove the dust on the air filter.

Before cleaning your air conditioner, ensure that it is switched off and unplugged from the wall socket.

1 Open the front grille by pulling on the tabs of the unit.

➢ The removal of the front grille makes it easier to clean the air conditioner. After opening the front grille, lift it up as much as possible, then pull down to release it.

2 Grasp the handle on the air filter and lift it slightly and then out to the front.

3 Remove all dust on the air filter with a vacuum cleaner or brush.

4 When you have finished, slide the air filter back into position.

5 Clean the outer surfaces with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals). Wipe them dry with a clean, soft cloth.

➢

If you...	Then...
Will not be using the air conditioner for a long period of time	◆ Set the fan going for a few hours to dry the inside of the air conditioner thoroughly. ◆ Switch the air conditioner off and unplug it from the wall socket. ◆ Clean the filter and outer surfaces.
Have not used the air conditioner for a long period of time	Set the fan going for a few hours to dry the inside of the air conditioner thoroughly.

Cooling Your Room

You must select the Cool mode if you wish to lower the temperature in your room. You can also set the fan speed.

1 Select the operating mode and fan speed.

To cool your room with a...	Set the operating mode selection dial to...
High fan speed	HI COOL
Between HIGH and LOW	MED COOL
Low fan speed	LOW COOL

Result: ◆ The air conditioner starts up in Cool mode.
◆ The fan starts up at the speed selected.

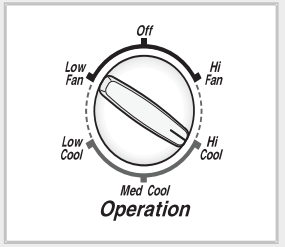
➢ You can change modes at any time.

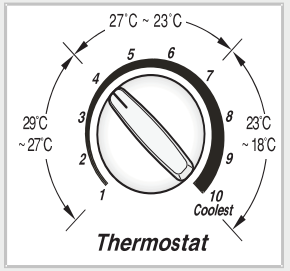
2 To adjust the temperature, turn the temperature control dial to the desired position.

Possible temperatures: Between 18°C and 29°C inclusive.

Result: ◆ The air conditioner starts cooling if the room temperature is higher than the selected temperature.

3 To control the direction of the air flow, refer to page 7.





Operating Recommendation

Here is a recommendation that you should follow when using your air conditioner.

Topic	Recommendation
Power failure	If a power failure occurs when the air conditioner is operating, the unit is switched off. When the power returns, the air conditioner starts up again automatically.

Temperature and Humidity Ranges

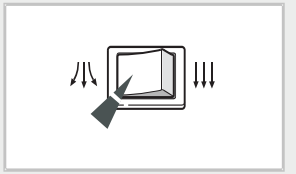
The following table indicates the temperature and humidity ranges within which the air conditioner can be used.

Mode	Indoor Temperature	Outdoor Temperature	Indoor Humidity
Cooling	21°C to 32°C approx.	21°C to 52°C approx.	80% or less

If the air conditioner is used at...	Then...
Higher temperature	The automatic protection feature may be triggered and the air conditioner stopped.
Lower temperature	A water leakage or some other malfunction may happen if the heat exchanger freezes.
Higher humidity levels	Water may condense on and drip from the surface of the unit if it is used for long periods.

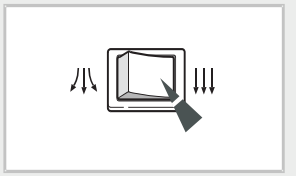
Adjusting the Air Flow Direction Horizontally

Depending on the position of the unit in your room, you can adjust the orientation of the inner air flow blades on the right-hand side of the unit, thus increasing the efficiency of the air conditioner.



1 Set the air flow blade swing switch to the position.

Result: The inner blades swing automatically left and right.



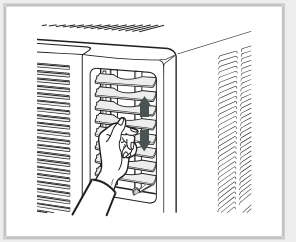
2 To stop the blades moving left and right, set the air flow blade swing switch to the position.

➢ To stop the blades in a specific position and orient the air flow in the corresponding direction, simply set the switch to the position when the blades are in the desired position.

Adjusting the Air Flow Direction Vertically

Again depending on the position of the unit in your room, you can adjust the orientation of the outer air flow blades on the right-hand side of the unit.

RECOMMENDATION	When...	Adjust the blades to face...
	Cooling	Upwards.

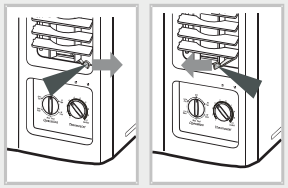


Adjust the air flow blades to the desired position, by pushing them upwards or downwards.

➢ If you orient the air flow blades downwards and the unit operates in Cool mode for long periods of time, dew may:

- Form on the surface of the blades
- Drip from the blades

Airing Your Room



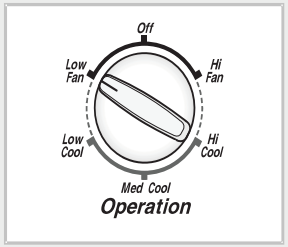
If the atmosphere in your room is stale, you can air it using the Fan feature and if necessary, evacuate the stale air outside.

1 If you wish to evacuate stale air outside, push the ventilation lever on the front of the unit to the right and the open position ( ).

Result: The air inside the room circulates and stale air is evacuated outside.

Otherwise, push the ventilation lever to the left and the closed position ( ).

Result: The air simply circulates inside the room.



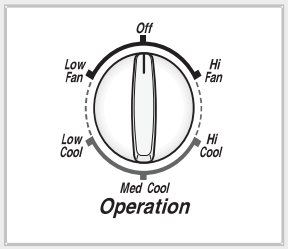
2 Set the operating mode selection dial to the HI FAN or LOW FAN position.

➢ HI FAN : The fan turns rapidly.
LOW FAN : The fan turns slowly.

Result: The air conditioner starts up in Fan mode.

3 To control the direction of the air flow, refer to page 7.

Switching the Air Conditioner Off



You can switch the air conditioner off whenever you want.

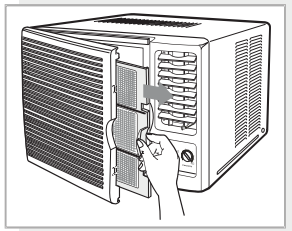
1 To switch the unit off, simply set the operating mode selection dial to the OFF position.

Result: The air conditioner stops operating.

Cleaning Your Air Conditioner (For AWT12F1DD* Models)

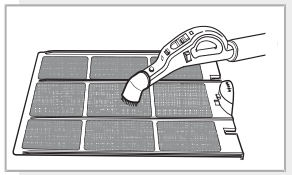
Be sure to clean the air filter periodically to maintain the air conditioner in the best condition for a long period of time.

IMPORTANT When cleaning the air conditioner, turn it off and pull out the power plug.



1 Hold the air filter handle, slightly pull it to the left side and open the front grille.

➢ The removal of the front grille makes it easier to clean the air conditioner. Open the grill as much as possible.



CAUTION

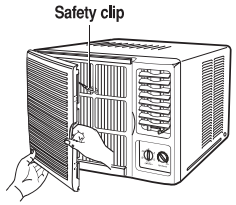
Removal and Reassembly of the Front Grill

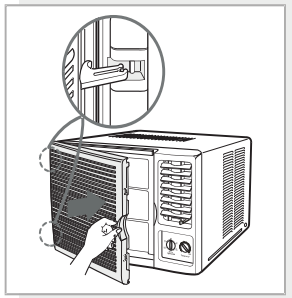
For user's safety, a safety clip has been installed in the front grill.

1 Grasp the lower part of the front grill and the air filter handle, then open the grill.

2 Remove the safety clip and the front grill.

3 When reassembling the front grill, you should install the safety clip again.





The air conditioner has two or three grille grooves depending on the model.

2 Pull the air filter to the right side.

3 Remove all dust on the air filter with a vacuum cleaner or brush.

4 When you have finished, insert the air filter back into its original position.

5 Wipe the surface of the unit with a neutral detergent and then wipe it again with dry cloth.
(Be sure not to use benzene, solvent or other chemical products.)

➢

If you...	Then...
Will not be using the air conditioner for a long period of time	◆ Set the operating mode selection dial to "LOW FAN" and let it run of a few hours to dry the inside of the air conditioner thoroughly. ◆ Switch the air conditioner off and unplug it from the wall socket. ◆ Clean the filter and outer surfaces.
Have not used the air conditioner for a long period of time	Set the operating mode selection dial to "LOW FAN" and let it run of a few hours to dry the inside of the air conditioner thoroughly.